



**Project Design Phase II**

**Functional**

**REQUIREMENTS**

*Containment Zone Alert  
Application*

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# CONTAINMENT ZONE ALERT APPLICATION

## Functional Requirements (Functional & Non-Functional)

Date	27 October 2022
Team ID	Team ID: PNT2022TMID38856
Project Name	Project - Containment Zone Alert Application
Maximum Marks	4 Marks

FR No.	Functional Requirement (Epic)	Sub Requirement (Story/Sub-Task)
1	Admin Login	<ul style="list-style-type: none"><li>◆ Separate Portal for Administrator to login and make use of.</li></ul>
2	Admin Dashboard	<ul style="list-style-type: none"><li>◆ A responsive dashboard that shows all statistics of the app and gives the admin full control over the application.</li><li>◆ Controls to perform CRUD operations on the application's database.</li></ul>
3	User Registration	<ul style="list-style-type: none"><li>◆ A simple and clear interface for user interface that requires the necessary details to be input by the user.</li><li>◆ All fields should be validated according to the required detail.</li></ul>
4	User Login	<ul style="list-style-type: none"><li>◆ One time login, required whence installing using the app for the first time.</li></ul>
5	Primary Specifics	<ul style="list-style-type: none"><li>◆ Highlight of containment zones in a map interface is to be shown to the user.</li><li>◆ Listing of details of Containment zones.</li><li>◆ Instant notification delivery on user-entry into a containment zone.</li></ul>
6	Additional Features	<ul style="list-style-type: none"><li>◆ COVID statistics to be shown to the user.</li><li>◆ Covid news from NEWSAPI</li></ul>

NFR No.	Functional Requirement (Epic)	Sub Requirement (Story/Sub-Task)
1	Usability	<ul style="list-style-type: none"> <li>◆ The application should provide a good UI/UX design with seamless navigation across sections of the app.</li> </ul>
2	Security	<ul style="list-style-type: none"> <li>◆ Passwords should not be stored by the application.</li> <li>◆ The passwords must be hashed and only the hashed values should be stored in the database.</li> <li>◆ Privacy and security of the user must be maintained.</li> </ul>
3	Reliability	<ul style="list-style-type: none"> <li>◆ The data provided by the application should be reliable.</li> <li>◆ At any point, data corruption should not exist.</li> </ul>
4	Performance	<ul style="list-style-type: none"> <li>◆ The system's performance should not be affected by a change in the number of users.</li> </ul>
5	Availability	<ul style="list-style-type: none"> <li>◆ The application and its resources must be available at all times.</li> </ul>
6	Scalability	<ul style="list-style-type: none"> <li>◆ The application must be extendable to a larger scale of users.</li> </ul>